

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)	Docket Number (Optional) 2703.9US (93-0453.09/US)	Application Number Not yet assigned
	Applicant Ball et al.	
	Filing Date August 4, 2003	Group Art Unit Unknown

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>KS</i>	3,566,207	05/1969	Adams	—	—	
	3,685,137	08/1972	Gardiner			
	3,995,845	12/1976	Scheffer			
	4,030,657	06/1977	Scheffer			
	4,361,261	11/1982	Elles et al.			
	4,434,347	02/1984	Kurtz et al.			
	4,527,730	07/1985	Shirai et al.			
	4,600,138	07/1986	Hill			
	4,603,803	08/1986	Chan et al.			
	4,653,681	03/1987	Dreibelbis et al.			
<i>KS</i>	4,765,531	08/1988	Ricketson et al.	—	—	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

		H.K. Charles, Jr.; <i>Electrical Interconnection</i> ; pps. 224-236.

EXAMINER

Wiley H. Stone

DATE CONSIDERED

2/25/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance. Include copy of this form with next communication to the applicant.

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KS	4,778,097	10/1988	Hauser	—	—	
	4,821,945	04/1989	Chase et al.			
	5,035,034	07/1991	Cotney			
	5,114,066	05/1992	Amador et al.			
	5,148,959	09/1992	Cain et al.			
	5,197,652	03/1993	Yamazaki			
	5,217,154	06/1993	Elwood et al.			
	5,307,978	05/1994	Ricketson et al.			
	5,322,207	06/1994	Fogal et al.			
	5,384,155	01/1995	Abbott et al.			
KS	5,421,503	06/1995	Perlberg et al.	—	—	

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
KS	5,425,491	06/1995	Tanaka et al.	—	—	
	5,445,306	08/1995	Huddleston			
	5,465,899	11/1995	Quick et al.			
	5,647,528	07/1997	Ball et al.			
	5,673,845	10/1997	Ball			
	5,890,644	04/1999	Ball			
	6,000,599	12/1999	Ball et al.			
	6,047,877	04/2000	Ball			
	6,062,459	05/2000	Sabyeying			
	6,290,116	09/2001	Ball et al.			
	6,305,593	10/2001	Ball			
KS	6,325,275	12/2001	Ball et al.	—	—	

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KS	6,419,145	07/2002	Ball	—	—	
I	6,435,400	08/2002	Ball et al.	I	I	
I	6,464,123	10/2002	Ball et al.	I	I	
I	6,484,922	11/2002	Ball	I	I	
I	6,494,357	12/2002	Ball	I	I	
KS	6,604,671	08/2003	Ball et al.	—	—	

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